SIDDHESH SUTAR

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EXPERIENCE

Junior Analyst 2018 - 2020
Encryption Infotech | Pune, IN

- To Combat increasing churn, I built a customer churn model using Logistic Regression in Python. Customers deemed highly likely to leave (> 75% Probability) were put onto a retention programming leading to a 24% reduction in churn.
- Built a predictive model using a Random Forest in Python that estimated customer loyalty scores for customer that Encryption Infotech couldn't tag. This led to a 30% increase in customer we could analyze, and contact with promotional material.
- Used SQL & Tableau to automate the extraction of credit data, and create a dynamic weekly report that helped senior leadership understand and investigate trends over time, and diagnose potential issues.

EDUCATION

University of Wisconsin Parkside | Master of Science in Computer and Information System Expected Aug.2022

- GPA: 3.7/4.0
- Major in Computer Science
- *Volunteer*, Parkside Asian Organization; *Volunteer*, Geology Club

MIT World Peace University | Master of Science in Data Science and Big Data Analytics Expected Aug. 2022

- GPA: 3.8/4.0

Usha Pravin Gandhi College of Management | Bachelor in Information Technology July. 2020

- GPA: 3.7/4.0
- *Committee head*, Sports club; *Committee head*, Technical department

PERSONAL PROJECTS/ PUBLICATION

High Impact Practices in General Education using Text Mining and NLP.

- General Education (Gen Ed) categorization of Under Grad courses through High Impact Practices (HIP) using text mining and NLP. Implemented various NLP techniques to extract various keywords. Calculated a cumulative score based on variable grades.
- Determine if a course classifies as a General Education course based on HIP used. Document keywords and sentences were successfully mapped to HIP variables, allowing them to be scored.

Assessment of Application of the Gensim library in Classification Problems Along with LSTM and GRU on Wine Dataset.

- Study the effects of using Different types of RNN such as LSTM and GRU using the Wine dataset to perform classification. Also analyze the dataset and also use Natural Language Process to make a prediction.
- Build a machine learning model to combine the efficiency prowess of Word Embeddings along with the processing strength of Recurrent Neural Networks to perform classification on the Wine dataset. We then present the results of this using graphical representation and loss measurements which show satisfactory results.

Therapy On The Go.

- To reduce the gap between doctor and their patients we created a Mobile Application for managing and allotting their patients using Android Studio and Firebase.
- The Significant Learning from this project was to make different technologies work together in harmony such as android studio and various database. Understand and develop a working prototype according to doctor's requirement.

SKILLS

Data Science: Machine Learning, Deep Learning, Computer Vision (CV), Natural Language Processing (NLP), Data Engineering
Programming Languages: Python, Java, Scala, HTML/PHP Data Visualization: Power Bi, Tableau
Databases: SQL, MongoDB **Big Data:** Apache Spark, Hadoop, Kafka, Hive, DataBricks
Project Management | Data Structures and Algorithms | Microsoft Office | Data Analysis | Strategic Planning